

Water Quality Enhancement Activity – WQL15 – Reduce the concentration of nutrients on farm by limiting the amount of feed and fertilizer brought on livestock farms



Enhancement Description

Grow at least 75% of feed for livestock on the farm and use manure from the livestock to supply at least 50% of N, 90% of P and 90% K for crops grown on the farm.

Land Use Applicability

Cropland and pastureland.

Benefits

On livestock farms, when feed for livestock is brought on to the farm and manure from the

livestock is spread on the farm, over time this can result in a buildup of nutrients on the farm. This problem is made worse if the nutrient value of the manure is not accounted for and additional fertilizer is applied to crops. By growing the majority of feed for livestock on the farm and properly accounting for the nutrients in the manure when applying it to crop land, better nutrient cycling is achieved. Nutrients are not concentrated on the farm and a more sustainable operation is possible.

Criteria

1. At least 75% of feed for livestock must be grown on the farm.
2. For crops grown on the farm, manure from the livestock must supply at least:
 - a. 50% of N
 - b. 90% of P
 - c. 90% of K

Documentation Requirements

1. Documentation of total feed requirements for livestock
2. Documentation of feed purchases from off farm.
3. Documentation of nutrient requirements for crops.
4. Documentation of off farm nutrient purchase.

ALABAMA SUPPLEMENT TO ENHANCEMENT WQL15 REDUCE THE CONCENTRATION OF NUTRIENTS ON FARM BY LIMITING THE AMOUNT OF FEED AND FERTILIZER BROUGHT ON LIVESTOCK FARM

1. On a livestock farm, when feed for the livestock is brought on to the farm and manure from the livestock is spread on the farm, over time this can result in a buildup of nutrients and increases the vulnerability for nutrient losses. This enhancement is applicable to producers with livestock that applies manure on crop land and pastureland. The producer is required to grow at least 75% of the feed for the livestock on the farm and the manure from the livestock must supply at least 50% of the N and 90% of the P and K. All applications of manure must be applied in accordance with the Conservation Practice Standard, Nutrient Management (590) and a nutrient management plan. A nutrient management plan contains the following for each application site: a) aerial photographs (with buffers); b) soils map; c) crop rotation; d) soil test (no older than 3 years); e) yield goals; f) Alabama Phosphorus Index; g) nutrient budget; h) planned rates, methods, and timing; and i) guidance for implementation/operation and maintenance/record keeping.

Refer to the national enhancement for more information.

Documentation Requirements:

1. Documentation of total feed requirements for livestock and the feed purchases from off the farm.
2. Documentation of total nutrient requirements for crops and the off farm nutrient purchases.
3. Nutrient management plan.

NRCS, Conservation Practice Standard, Nutrient Management (590)

http://efotg.sc.egov.usda.gov/references/public/AL/590_11-02.pdf

ALABAMA SUPPLEMENTAL INFORMATION FOR THIS ENHANCEMENT

WQL15 - Reduce the Concentration of Nutrients on Farm by Limiting the Amount of Feed and Fertilizer Brought on Livestock Farms

Documentation Form

Producer Name:		Date:
Tract Number(s):		County:
Producer has self certified the application of manure was within the 590 standard *		
Total Feed Requirement (tonnage of feed by source):		
Total Nutrient Requirement for crops based on current soil test(s):		
N:	P₂O₅:	K₂O:

Attach copies of current soil test, manure analysis, and nutrient management plan.

* Producer must self certify that no manure application was made on any buffered portion of the field, manure application were not made within 3 days of a storm event and all other requirements for manure application contained within the 590 standard were satisfied.

Provide receipts for the following:

- 1 Feed purchases from off farm**

- 2 Nutrient purchases from off farm**

This record and related attachments accurately reflect the implementation of this enhancement.

SIGNATURE: _____